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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/888,547

Applicant(s)

SUGAWARA ET AL.

Examiner

Quang N. Nguyen

Art Unit

2141

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 April 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 44-49, 62, 63, 68 and 69 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 44-49, 62, 63, 68 and 69 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/C)
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date: _____

Detailed Action

1. This Office Action is responsive to the Request for Continued Examination filed on 04/30/2008. Claims 44, 49, 62, 63, 68 and 69 have been amended. Claims 44-49, 62, 63, 68 and 69 remain pending for examination.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 04/30/2008 has been entered.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 44, 46-49, 62-63 and 68-69 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wakasugi et al. (US 6,823,367), hereinafter "Wakasugi", in view of RFC 2298 "An Extensible Message Format for Message Disposition Notifications", published in March 1998, hereinafter "RFC 2298".

5. As to claim 44, **Wakasugi** teaches an image communicating apparatus (*NFA as illustrated in Fig. 1*) which is connected to a network capable of performing email communication, comprising:

a transmitting unit, adapted to send email data accompanied by an image file;
(Wakasugi, Fig. 1 and col. 6, lines 28-31 and lines 60-65);

a receiving unit, adapted to receive email data **(Wakasugi, col. 6, lines 28-31);**

a requesting unit, adapted to add, selectively, information for requesting a message disposition notification MDN to the email data to be sent to a receiver by the transmitting unit (*a request for an MDN message is made by adding a "Disposition Notification-To:" field to the header of an email to be transmitted to a receiver*)
(Wakasugi, Fig. 4 and col. 6, line 48 – col. 7, line 10);

a communication managing unit, adapted to manage transmission management information of the sent email data **(Wakasugi, Fig. 8 and col. 8, lines 37-67);**

a determining unit, adapted to determine whether email data received by the receiving unit is the message disposition notification to the email data that the transmitting unit has sent (*after the network facsimile device NFA sends email with the*

delivery confirmation request in the mail transmitting process as in Fig. 7, NFB receives the email and returns the delivery confirmation mail to the NFA by detecting the delivery confirmation request from NFA. The NFA detects the delivery confirmation mail sent from the NFB and executes the reception process of the delivery confirmation mail) (**Wakasugi, col. 9, lines 37-49**);

an analyzing unit, adapted to analyze how the sent email data to which information for requesting the message disposition notification MDN was added is processed by the receiver in a case where the determining unit has determined that the email received by the receiving unit is the message disposition notification, by analyzing the message disposition notification MDN included in the email data received by the receiving unit (*as illustrated in Fig. 5, “Disposition manual-action/MDN-send-Manually; displayed” is checked/analyzed to indicate the reception process of the sent email data received by the receiving unit*) (**Wakasugi, Fig. 5 and col. 7, lines 11-20 and lines 37-47 and col. 9, lines 50-60**);

a judgment unit, adapted to judge whether or not a result of the transmission of the sent email data to which the information for requesting the message disposition notification MDN was added succeeded, based on an analysis result by the analyzing unit (*as illustrated in Fig. 5 “Disposition manual-action/MDN-send-Manually; displayed” is checked/analyzed to indicate the reception process of the sent email data received by the receiving unit and in this case, the sent email data was properly received and displayed*) (**Wakasugi, Fig. 5 and col. 7, lines 11-20 and lines 37-47 and col. 9, lines 50-60**); and

a notifying unit, adapted to notify a user of the image communicating apparatus based on the transmission management information managed by the communication managing unit (**Wakasugi, Fig. 12 and col. 9, line 65 – col. 10, line 3**),

wherein the communication managing unit updates the transmission management information by information showing whether or not the transmission of the sent email data succeeded, on the basis of a judged result provided by the judgment unit (*the NFA detects the delivery confirmation mail sent from the NFB at step 104 and executes the reception process of the delivery confirmation mail at step 105 and as illustrated in Fig. 5* **“Disposition manual-action/MDN-send-Manually; displayed”** indicates that the sent email data was properly received and displayed, the NFA changes “—” to “OK” in the result field of the communication management information recorded in the communication management table 4a) (**Wakasugi, col. 9, lines 45-60**), and

wherein the notifying unit notifies the user of the image communicating apparatus whether or not the transmission of the sent email data succeeded, on the basis of the updated transmission management information, so that a user of the image communicating apparatus can confirm whether or not transmission of the sent email data succeeded, without reading the message disposition information (**Wakasugi, Fig. 12 and col. 9, line 65 – col. 10, line 3**).

However, **Wakasugi** does not **explicitly** teach representing plural kinds of processed results as processed results for the sent email by the receiver.

In an analogous art, **RFC 2298** teaches a MIME content-type (Message Disposition Notifications MDN) to describe the disposition of a message after it has been delivered to a recipient (**RFC 2298, Abstract, page 1 of 27**), wherein the Message Disposition Notification types are defined “displayed”, “dispatched”, “processed”, “deleted”, “denied” and “failed” which can be used to describe the disposition, i.e., the processed result of the message at the reception side (*i.e., representing plural kinds of processed results as processed results for the sent email by the receiver*) (**RFC 2298, section 3.2.6 Disposition field, pages 12-14**).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the features of using the MDN to represent plural kinds of processed results as processed results for the sent email by the receiver, as disclosed by **RFC 2298**, into the teachings of **Wakasugi** since both references are directed to electronic message processing systems, hence, would be considered to be analogous based on their related fields of endeavor.

One would be motivated to do so to allow the communications system to report the sending user the disposition of a message after it has been successfully delivered to a recipient (**RFC 2298, Abstract, page 1 of 27**).

6. As to claim 46, **Wakasugi** in view of **RFC 2298** teaches the image communicating apparatus of claim 44, wherein the communication managing unit updates the transmission management information to first information, showing that the message disposition notification responsive to the sent email data has been received

(the NFA detects the delivery confirmation mail sent from the NFB at step 104 and executes the reception process of the delivery confirmation mail at step 105 and as illustrated in Fig. 5 "Disposition manual-action/MDN-send-Manually; displayed" of the delivery confirmation mail indicates that the sent email data was properly received and displayed, the NFA changes "—" to "OK" in the result field of the communication management information recorded in the communication management table 4a)
(Wakasugi, col. 9, lines 45-60).

7. As to claim 47, **Wakasugi** in view of **RFC 2298** teaches the image communicating apparatus of claim 44, wherein the communication managing unit updates the transmission management information to second information (*user code recorded*), showing that the message disposition notification responsive to the sent email data was not received within a predetermined period of time (*12 hours*)
(Wakasugi, col. 14, line 48 – col. 15, line 34).

8. As to claim 48, **Wakasugi** in view of **RFC 2298** teaches the image communicating apparatus of claim 44, wherein the notifying unit visually outputs the transmission management information which is managed by the communication managing unit **(Wakasugi, col. 13, line 66 – col. 14, line 3).**

9. As to claim 49, **Wakasugi** teaches an image communicating apparatus (*NFA as illustrated in Fig. 1*) which is connected to a network capable of performing email communication, comprising:

a transmitting unit, adapted to send email data accompanied by an image file;
(Wakasugi, Fig. 1 and col. 6, lines 28-31 and lines 60-65);

a receiving unit, adapted to receive email data **(Wakasugi, col. 6, lines 28-31);**

a requesting unit, adapted to add, selectively, information for requesting a message disposition notification to the email data to be sent to a receiver by the transmitting unit **(Wakasugi, Fig. 4 and col. 6, line 48 – col. 7, line 10);**

a determining unit, adapted to determine whether email data received by the receiving unit is the message disposition notification to the email data that the transmitting unit has sent (*after the network facsimile device NFA sends email with the delivery confirmation request in the mail transmitting process as in Fig. 7, NFB receives the email and returns the delivery confirmation mail to the NFA by detecting the delivery confirmation request from NFA. The NFA detects the delivery confirmation mail sent from the NFB and executes the reception process of the delivery confirmation mail*)
(Wakasugi, col. 9, lines 37-49);

an analyzing unit, adapted to analyze how the sent email data to which information for requesting the message disposition notification was added is processed by the receiver in a case where the determining unit determined that the email received by the receiving unit is the message disposition notification, by analyzing the message disposition notification included in the email data received by the receiving unit (*as*

illustrated in Fig. 5 "**Disposition manual-action/MDN-send-Manually; displayed**" is checked/analyzed to indicate the reception process of the sent email data received by the receiving unit) (Wakasugi, Fig. 5 and col. 7, lines 11-20 and lines 37-47 and col. 9, lines 50-60);

a judgment unit, adapted to judge whether or not a result of the transmission of the sent email data to which the information for requesting the message disposition notification was added succeeded, based on an analysis result by the analyzing unit (as illustrated in Fig. 5 "**Disposition manual-action/MDN-send-Manually; displayed**" is checked/analyzed to indicate the reception process of the sent email data received by the receiving unit and in this case, the sent email data was properly received and displayed) (Wakasugi, Fig. 5 and col. 7, lines 11-20 and lines 37-47 and col. 9, lines 50-60); and

a notifying unit, adapted to be able to notify whether or not the transmission of the sent email data succeeded, based on a judged result by the judgment unit, without reading the message disposition notification by a user of the image communication apparatus (the NFA detects the delivery confirmation mail sent from the NFB at step 104 and executes the reception process of the delivery confirmation mail at step 105 and as illustrated in Fig. 5 "**Disposition manual-action/MDN-send-Manually; displayed**" indicates that the sent email data was properly received and displayed, the NFA changes "—" to "OK" in the result field of the communication management information recorded in the communication management table 4a) (Wakasugi, Figs. 12 and 17, col. 9, line 45 – col. 10, line 3).

However, **Wakasugi** does not explicitly teach the MDN can represent plural kinds of processed results as processed results for the sent email by the receiver.

In an analogous art, **RFC 2298** teaches a MIME content-type (Message Disposition Notifications MDN) to describe the disposition of a message after it has been delivered to a recipient (**RFC 2298, Abstract, page 1 of 27**), wherein the Message Disposition Notification types are defined “displayed”, “dispatched”, “processed”, “deleted”, “denied” and “failed” which can be used to describe the disposition, i.e., the processed result of the message at the reception side (*i.e., can represent plural kinds of processed results as processed results for the sent email by the receiver*) (**RFC 2298, section 3.2.6 Disposition field, pages 12-14**).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the features of using the MDN to represent plural kinds of processed results as processed results for the sent email by the receiver, as disclosed by **RFC 2298**, into the teachings of **Wakasugi** since both references are directed to electronic message processing systems, hence, would be considered to be analogous based on their related fields of endeavor.

One would be motivated to do so to allow the communications system to report the sending user the disposition of a message after it has been successfully delivered to a recipient (**RFC 2298, Abstract, page 1 of 27**).

10. Claims 62-63 and 68-69 are corresponding method and computer readable storage medium claims of apparatus claims 44 and 49; therefore, they are rejected under the same rationale.

11. Claims 44, 49, 62-63 and 68-69 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iwazaki (US 6,687,742), in view of Wakasugi (US 6,823,367).

12. As to claim 44, **Iwazaki** teaches an image communicating apparatus, comprising:
a transmitting unit, adapted to send email data accompanied by an image file (*Internet facsimiles 3 and 8 have both units functioning in transmission/reception emails with attached image*) (**Iwazaki, col. 4, line 56 – col. 5, line 4**);

a receiving unit, adapted to receive email data (*Internet facsimiles 3 and 8 have both units functioning in transmission/reception emails with attached image*) (**Iwazaki, col. 4, line 56 – col. 5, line 4**);

a requesting unit, adapted to add, selectively, information for requesting a message disposition notification "MDN" to the email data to be sent to a receiver by said transmitting unit (*a request for an MDN message is made by adding a "Disposition Notification-To:" field to the header of an email to be transmitted to a receiver*) (**Iwazaki, Fig. 4 and col. 6, lines 39-48**);

a communication managing unit, adapted to manage transmission management information of the sent email data (*the processing result from the MDN response message is recorded in transmission history information*) (**Iwazaki, col. 7, lines 61-64**);

a determining unit, adapted to determine whether email data received by the receiving unit is the message disposition notification to the email data that the transmitting unit has sent (*in step 4 of Fig. 3, the sender determines if a response message in the form of MDN has been sent from the receiver*) (**Iwazaki, col. 7, lines 51-67**);

an analyzing unit, adapted to analyze how the sent email data to which the information for requesting the message disposition notification was added is processed by the receiver in a case where the determining unit has determined that the email received by the receiving unit is the message disposition notification, by analyzing the message disposition notification included in the email data received by the receiving unit (*as illustrated in Fig. 6 “Disposition: automatic-action/MDN-send-automatically; dispatched” and as in Fig. 11 “Disposition: automatic-action/MDN-send-automatically; processed/warning” is checked and analyzed to indicate the reception processes of the sent email data received by the receiving unit*) (**Iwazaki, Figs. 6, 11 and col. 7, line 11 – col. 8, line 12, col. 10, lines 17-26 and col. 12, lines 57-67**) and capable of representing plural kinds of processed results as processed results for the sent email by the receiver (*for example, “displayed”, “dispatched”, “processed”, “printing”, “deletion”, etc.*) (**Iwazaki, col. 12, lines 18-23**).

a judgment unit, adapted to judge whether or not a result of the transmission of the sent email data to which the information for requesting the message disposition notification was added succeeded, based on an analysis result by the analyzing unit (*as illustrated in Fig. 6 “Disposition: automatic-action/MDN-send-automatically;*

dispatched" and as illustrated in Fig. 11 "***Disposition: automatic-action/MDN-send-automatically; processed/warning***" is checked/analyzed to indicate the reception process of the sent email data received by the receiving unit and in this case, the sent email data was properly received and dispatched and/or processed) (Iwazaki, Figs. 6 and 11 and col. 7, line 11 – col. 8, line 12, col. 10, lines 17-26 and col. 12, lines 57-67); and

wherein the communication managing unit updates the transmission management information by information showing whether or not the transmission of the sent email data succeeded, on the basis of a judged result provided by the judgment unit (the sender records the processing result in the returned MDN message in the transmission history information) (Iwazaki, col. 7, lines 61-64 and col. 13, lines 45-55).

However, Iwazaki does not explicitly teach a notifying unit notifies the user of said image communicating apparatus whether or not the transmission of the sent email data succeeded, on the basis of the updated transmission management information, so that the user of said image communicating apparatus can confirm whether or not the transmission of the sent email data succeeded, without reading the message disposition information.

In an analogous art, Wakasugi discloses a system and method of allowing user to browse the history of transmission on data terminal, wherein the network facsimile device NFA has an ability to output the communication management information in the form of a communication management report which is created and outputted based on

the recorded contents of the communication management table 4a shown in Fig. 8 (*the NFA detects the delivery confirmation mail sent from the NFB at step 104 and executes the reception process of the delivery confirmation mail at step 105 and as illustrated in Fig. 5 “Disposition manual-action/MDN-send-Manually; displayed” indicates that the sent email data was properly received and displayed, the NFA changes “—” to “OK” in the result field of the communication management information recorded in the communication management table 4a*) (**Wakasugi, Figs. 8-9, 12 and 17, col. 9, lines 12-36 and col. 9, line 65 – col. 10, line 3**).

Therefore, it would have been obvious to one having ordinary skill in the Data Processing Art at the time the invention was made to incorporate the feature of notifying the user of said image communicating apparatus so that the user can confirm whether or not the transmission of the sent email data succeeded, without reading the message disposition information, as disclosed by **Wakasugi**, into the teaching of **Iwazaki**, since both references are directed to electronic message processing systems, hence, would be considered to be analogous based on their related fields of endeavor.

One would be motivated to do so to allow the communications system to inform the sending user the status of the delivery of the message.

13. Claim 49 contains similar limitations as claim 44; therefore, it is rejected under the same rationale.

14. Claims 62-63 and 68-69 are corresponding method and computer readable storage medium claims of apparatus claims 44 and 49; therefore, they are rejected under the same rationale.

15. Claims 45-48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iwazaki, in view of Wakasugi, and further in view of Miyamoto et al. (US 6,327,046), hereinafter "Miyamoto".

16. As to claim 45, **Iwazaki-Wakasugi** teaches the apparatus of claim 44, but does not explicitly teach a selecting unit, adapted to select ON/OFF of an execution of said requesting unit, wherein said communication managing unit manages ON/OFF of the request of the message disposition notification as transmission information for every sent email.

In an analogous art, **Miyamoto** teaches an electronic mail processing apparatus and method comprising a selecting part for selecting whether a request for reply to an electronic mail to be transmitted is to be made or not by marking the check box 19 in Fig. 5 to turn ON a reply email request (Miyamoto, Fig. 5 and col. 6, lines 16-32). **Miyamoto** also teaches that if a reply from the receiver of the email has been sent, the task finish flag 11-4-5 in the Todo task list storage section 11-4 of the RAM 11 is set to be "1" (*i.e., update the transmission information on the basis of whether or not said requesting unit requests the reply email responsive to the sent email*) (**Miyamoto, col. 6, line 62 – col. 7, line 18**).

Therefore, it would have been obvious to one having ordinary skill in the Data Processing Art at the time the invention was made to incorporate the feature of a selecting unit, adapted to select and manage ON/OFF of the request of the message disposition notification as transmission information for every sent email, as disclosed by **Miyamoto**, into the teachings of **Iwazaki-Wakasugi**, since references are directed to electronic message processing systems, hence, would be considered to be analogous based on their related fields of endeavor.

One would be motivated to do so to allow the sender to select whether a request for reply to an email from the receiver to be made or not at the time of transmitting the email and to specify a due date of reply and to retransmit the same email automatically when no reply has been received within a predetermined period of time.

17. As to claim 46, **Iwazaki-Wakasugi-Miyamoto** teaches the apparatus of claim 44, wherein said communication unit updates the transmission information to first information showing that the message disposition notification responsive to said sent email data has been received (*i.e., the task finish flag 11-4-5 is set to "1", the item is displayed as a processed task with a check mark*) (**Miyamoto, Figs. 7-8, col. 7, lines 6-18 and col. 8, lines 19-32**). The same motivations regarding the obviousness of claim 45 would be applied equally well to claim 46.

18. As to claim 47, **Iwazaki-Wakasugi-Miyamoto** teaches the apparatus of claim 44, wherein said communication unit updates the transmission information to second

information showing that the message disposition notification responsive to the sent email data was not received within a predetermined period of time (*i.e., the task finish flag is set to "0", the item is displayed as an unprocessed task*) (**Miyamoto, Figs. 7-8 and col. 7, lines 6-21**). The same motivations regarding the obviousness of claim 45 would be applied equally well to claim 47.

19. As to claim 48, **Iwazaki-Wakasugi-Miyamoto** teaches the apparatus of claim 44, wherein said notifying unit visually outputs the transmission management information, which is managed by said communication managing unit (**Wakasugi, Figs. 8-9, 12 and 17, col. 9, lines 12-36 and col. 9, line 65 – col. 10, line 3**).

Response to Arguments

20. In the Remarks, Applicants argued in substance that

(A) *"Nothing has been found in **Wakasugi** or **RFC 2298**, whether considered either separately or in any permissible combination (if any), that would teach or suggest a determining unit, adapted to determine whether email data received by the receiving unit is the message disposition notification to the email data that the transmitting unit has sent, much less an analyzing unit, adapted to analyze how the sent E-mail data to which information for requesting the message disposition notification was added is*

processed by the receiver in a case where the determining unit determined that the email received by the receiving unit is the message disposition notification, by analyzing the message disposition notification included in the E-mail data received by the receiving unit and capable of representing plural kinds of processed results as processed results for the sent E-mail by the receiver," as recited in pages 17-18 of the Remarks.

As to point (A), Examiner respectfully disagrees noting that **Wakasugi** teaches after the network facsimile device NFA sends email with the delivery confirmation request in the mail transmitting process as in Fig. 7, NFB receives the email and returns the delivery confirmation mail to the NFA by detecting the delivery confirmation request from NFA (*i.e., the NFA receives the message disposition notification email from the NFB as requested*). The NFA detects the delivery confirmation mail sent from the NFB as step 104 of Fig. 3 (*i.e., the NFA determines whether the delivery confirmation mail received from the NFB is the message disposition notification*) and executes the reception process of the delivery confirmation mail at step 105 of Fig. 3 (**Wakasugi, Fig. 5 and col. 7, lines 11-20 and lines 37-47; and col. 9, lines 37-49**), wherein as illustrated in Fig. 5, the status of the message disposition notification "**Disposition manual-action/MDN-send-Manually; displayed**" indicates that the sent email data was properly received and displayed, the NFA changes "—" to "OK" in the result field of the communication management information recorded in the communication management table 4a (*i.e., "Disposition manual-action/MDN-send-Manually;*

displayed" is checked/analyzed to indicate the reception process of the sent email data received by the receiving unit and in this case, the sent email data was properly received and displayed) (Wakasugi, col. 9, lines 50-60).

However, **Wakasugi** does not **explicitly** teach representing plural kinds of processed results as processed results for the sent email by the receiver.

In the same field of endeavor, **RFC 2298** teaches a MIME content-type (Message Disposition Notifications MDN) to describe the disposition of a message after it has been delivered to a recipient (**RFC 2298, Abstract, page 1 of 27**), wherein the Message Disposition Notification types are defined "displayed", "dispatched", "processed", "deleted", "denied" and "failed" which can be used to describe the disposition, i.e., the processed result of the message at the reception side (*i.e., can represent plural kinds of processed results as processed results for the sent email by the receiver*) (**RFC 2298, section 3.2.6 Disposition field, pages 12-14**).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the features of using the MDN to represent plural kinds of processed results as processed results for the sent email by the receiver, as disclosed by **RFC 2298**, into the teachings of **Wakasugi** since both references are directed to electronic message processing systems, hence, would be considered to be analogous based on their related fields of endeavor.

One would be motivated to do so to allow the communications system to report the sending user the disposition of a message after it has been successfully delivered to a recipient (**RFC 2298, Abstract, page 1 of 27**).

In this case, Examiner respectfully submits that in view of the Supreme Court's recent opinion in *KSR Int'l Co. v. Teleflex Inc.*, "What matters is the objective reach of the claim. If the claim extends to what is obvious, it is invalid under U.S.C 103." *KSR Int'l Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 1742 (2007). To be nonobvious, an improvement must be "more than the predictable use of prior art elements according to their established functions." *Id.* at 1740. In *KSR*, the Supreme Court reaffirmed that "[w]hen a patent 'simply arranges old elements with each performing the same function it had been known to perform' and yields no more than one would expect from such an arrangement, the combination is obvious." *KSR*, 127 S. Ct. 1740 (quoting *Sakraida v. Ag Pro, Inc.*, 425 U.S. 273, 282 (1976)). Moreover, "[w]hen there is a design need or market pressure to solve a problem and there are a finite number of identified, predictable solutions, a person of ordinary skill has good reason to pursue the known options within his or her technical grasp. If this leads to the anticipated success, it is likely the product ... of ordinary skill and common sense." *KSR*, 127 S. Ct. at 1742.

This reasoning is applicable here. Clearly, **Wakasugi** teaches as illustrated in Fig. 5, wherein the status of the message disposition notification "**Disposition manual-action/MDN-send-Manually; displayed**" is checked/analyzed to indicate that the sent email data was properly received and displayed, and the network facsimile device NFA changes "—" to "OK" in the result field of the communication management information recorded in the communication management table 4a (**Wakasugi, col. 9, lines 45-60**). Also, in the networking art, there are a finite number of identified, predictable solutions (such as the processed results of "displayed", "dispatched", "processed", "deleted",

"denied" and "failed") available to a person of ordinary skill, as set forth in the **RFC 2298**. Furthermore, the message disposition notification MDN is notoriously well known in the art, as evidenced by **Wakasugi** and **RFC 2298**, thus, Examiner respectfully submits that it would have been obvious to one ordinary skill in the art to combine the teachings of Wakasugi and RFC 2298 to teach or suggest *"an analyzing unit, adapted to analyze how the sent E-mail data to which information for requesting the message disposition notification was added is processed by the receiver, by analyzing the message disposition notification included in the E-mail data received by the receiving unit and capable of representing plural kinds of processed results as processed results for the sent E-mail by the receiver,"* as recited in pages 17-18 of the Remarks.

Conclusion

21. Applicant's arguments as well as request for reconsideration filed on 04/30/2008 have been fully considered but they are not deemed to be persuasive.

22. A shortened statutory period for reply to this action is set to expire THREE (3) months from the mailing date of this communication. See 37 CFR 1.134.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quang N. Nguyen whose telephone number is (571) 272-3886.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's SPE, Rupal Dharia, can be reached at (571) 272-3880. The fax phone number for the organization is (571) 273-8300.

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Examiner

Quang N. Nguyen

Applicant(s)/Patent under
Reexamination

SUGAWARA ET AL.

Art Unit

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